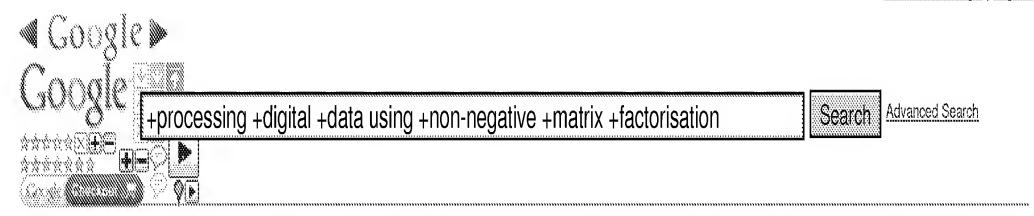
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1. Discovering speech phones using convolutive non-negative matrix ...

Discovering a representation that allows auditory **data** to be parsimoniously represented is useful for many machine learning and signal **processing** tasks. ... R. Kompass, A generalized divergence measure for **non-negative matrix** ... P.D. O'Grady, B.A. Pearlmutter, Convolutive **non-negative matrix factorisation** with ...

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2. Non-negative Matrix Factorization with Sparseness Constraints

Metagenes and molecular pattern discovery **using matrix** factorization. **... Non-negative** sparse coding. In <i>Neural Networks for Signal **Processing** XII (Proc. ... of event-related fMRI **data using** skewed probability density functions. ... Jiayu Tang, Paul H. Lewis, **Non-negative matrix factorisation** for object class ...

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3. [PDF] Shifted Non-Negative Matrix Factorisation for Sound Source Separation

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A shifted **non-negative matrix factorisation** algorithm is de-rived, which offers advantages over previous Synthetic Test **Data** generated **using** a single shifted harmonic spectrum tion, 5th International Conference on **Digital** Audio. Effects (DAFX02), pp. ... Neural Networks for Signal **Processing** XII (Proc. ...

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4. Non Negative Matrix Factorization for Time Series of Medical ...

pure pixels as in conventional **digital** image **processing**. In such conditions, they considered the ... the old **data** set **using** a reduced number of principal com- ponents. Sparse **Non Negative Matrix Factorisation** is applied on ...

doi.ieeecomputersociety.org/10.1109/CISIS.2009.193 - <u>Similar</u> by F Reims

5. Welcome to IEEE Xplore 2.0: Convolutive Non-Negative Matrix ...

Jan 8, 2007 ... Convolutive **Non-Negative Matrix Factorisation** with a Sparseness Constraint ... Proceedings of the 2006 16th IEEE Signal **Processing** Society Workshop on ... **Digital** Object Identifier: 10.1109/MLSP.2006.275588 ... a method for finding parts-based representations of **non-negative data**. ...

ieeexplore.ieee.org/xpis/abs_all.jsp?arnumber=4053687 - <u>Similar</u> by PD O'Grady - 2006 - <u>Cited by 11 - Related articles - All 16 versions</u>

6. Image Processing Systems - Patent application - This invention ...

A method of driving an electroluminescent display with video **data using** the method A preferred technique employs **non-negative matrix factorisation** of a ... Preferably inputs 109 and 111 are **digital** inputs for ease of interfacing; ...

www.faqs.org/patents/app/20090128459 - Cached - Similar

7. (WO/2006/067520) DIGITAL SIGNAL PROCESSING METHODS AND APPARATUS

... This invention relates to a method of digitally **processing data** in a **data** array defining a target **matrix** (X) **using non-negative matrix** factorisation to ...

www.wipo.org/pctdb/en/wo.jsp?wo=2006067520 - <u>Cached - Similar</u> by E SMITH - 2006 - <u>All 4 versions</u>

8. <u>Bayesian Inference for Nonnegative</u> <u>Matrix Factorisation</u> <u>Models</u>

D. D. Lee and H. S. Seung, "Algorithms for **non-negative matrix** factorization," in ... "Sparse overcomplete latent variable decomposition of counts **data**," in ... methods and **non-negative** decompositions," **Digital** Signal **Processing**, vol. ...

www.hindawi.com/journals/cin/2009/785152.ref.html - Cached - Similar

9. [PDF] Non-Negative Matrix Factorization And Its Application to Audio

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Easy to record **using** a microphone and to reproduce by a loudspeaker. ■ **Digital** signals: sampling frequency 44.1 kHz commonly Virtanen / NMF. PCA on face **data** **Factorisation**, in proc. 13th European Signal **Processing** Conference Antalaya, ... **Matrix Factorisation** for Audio Signal Modelling, ICASSP 2008

www.cs.cmu.edu/~bhiksha/courses/11-755/class16/nmf.pdf - Similar

10. [PDF] Spectrogram Factorization Using Phase Information

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ative elements, whereas spectrogram **data** is always **non-negative**. Workshop on Statistical and Perceptual Audio **Processing**, 2004. ... In Proceedings of International Conference on **Digital** Audio Effects, pages 65–69, Hamburg, Germany, ... Convolutive **non-negative matrix factorisation** with sparseness con- straint. ...

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